

MICROSURE TRIAL

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Objective

- Use microSURE™ Wound care to heal wounds to the lower extremity
- Monitor patients progress using the FLIR infared camera
- Report any significant findings and determine if microSURE™ wound care is healing wounds at a faster rate than normally expected. (NOTE: microSURE™ wound care will be used 1-3 x week instead of 3x per day for this trial)

Methods

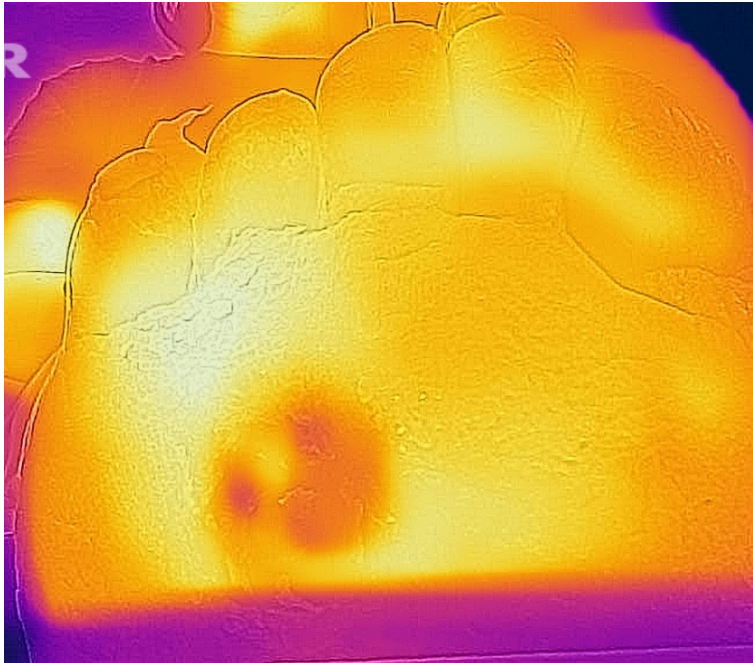
- Patients with lower limb wounds seen by podiatry clinic (BD and SM) at St. Anthony's in Chicago OR patients of ER
- All patients with lower limb wounds were invited to participate regardless of the nature of their wound (surgical, venous, diabetic, etc)
- Trial explained to patients in their preferred language and consent obtained
- Previous wound care was continued along with the application of Microsure once or 3 times a week
- Patients were followed in clinic weekly or bi-weekly

Patient Demographics (first 5 pts)

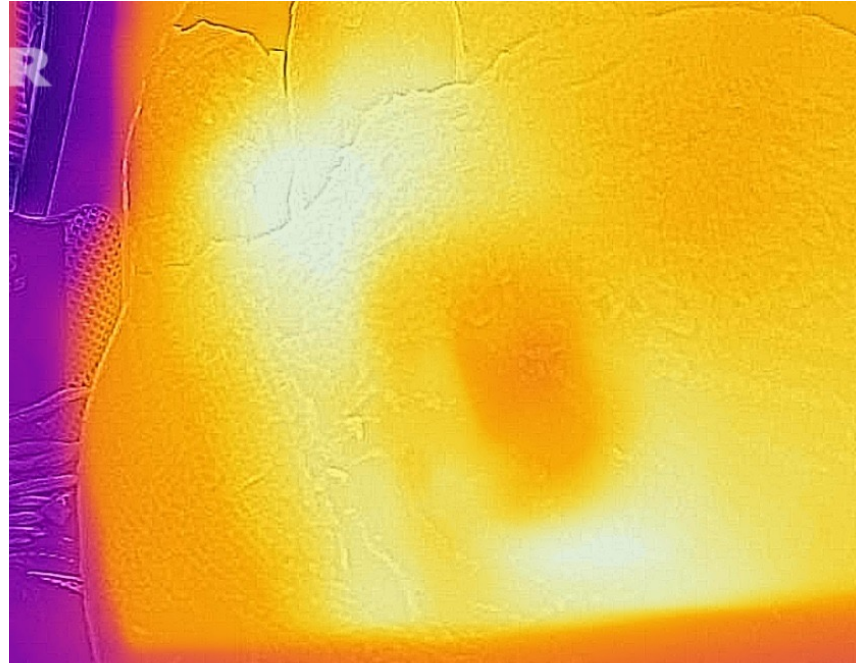
- Avg age 62y (36-90)
- Avg time with wound prior to treatment= 3.78months (0.4-12 months)
- 80% patients have diabetes
- Cause of wound: 40% surgical, 20% diabetic, 40% vascular
- 40% of patients have kidney disease
- 60% currently taking blood thinners
- 60% with nonpalpable pulses

Wound Characteristics and Patient History																					
ID	Patient Characteristics									Hx of Wound				Beginning Measurements				Most recent			
	Sex	Age	Obesity	DM	Surgical Trauma	Renal Dx	Currently on Blood thinners	Palpable pulses	Current smoker	Side	Locaiton of wound	dressing	previous # of months treated	Length (cm)	Width (cm)	Depth (cm)	Date	Length (cm)	Width (cm)	Depth (cm)	Date
WJ29	M	90	No	No	No	No	Yes	No	No	L	1st interspace	daily	12	1.5	3.5	0.3	6-Dec	1.9	1.7	0.3	3-Jan
JG83	F	36	No	Yes	No	Yes	No	Yes	No	R1	Sub 4	3 times a week	0.4	0.6	0.2	0.3	6-Dec	HEALED	HEALED	HEALED	3-Jan
JC67	M	52	No	Yes	Yes	No	No	Yes	No	R1	dorsum 4th met resection	1 time a week	2	7	1	0.5	13-Dec	3	0.4	0.2	10-Jan
SR63	M	56	Yes	Yes	Yes	Yes	Yes	No	Yes	R	dorsal 2nd	1 time a week	1.5	3	1.5	0.5	20-Dec				
EG87	M	32															23-Dec				
JI61	M	58								R	Heel						23-Dec				
FS44	M	75	No	Yes	No	No	Yes	No	No	R	plantar hallux	3 times a week	3	1	0.8	0.1	3-Jan				
JC64	M	55								R	Heel			5.3	4		9-Jan				

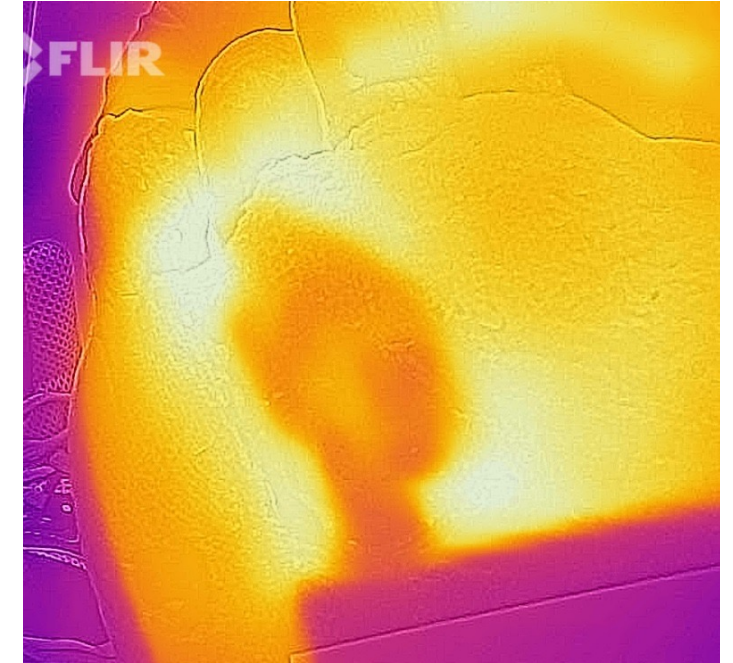
Patient #1.36 yo female, DM wound 2 weeks, Hx Left BKA, CKD, DM



Prior to tx



after 1st debridement

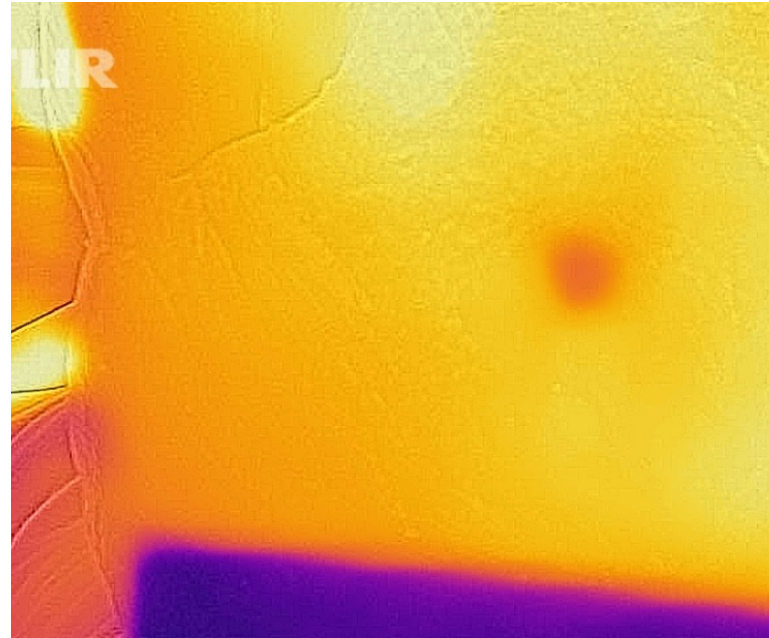


After 1t Microsure application

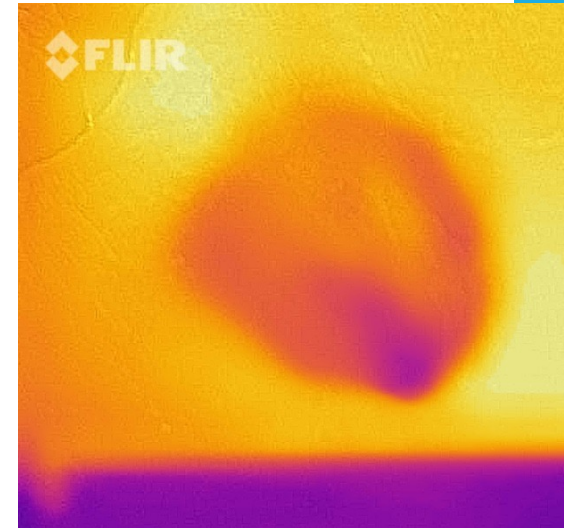
Patient #1.36 yo female, DM wound, Hx Left BKA,
CKD, DM



Presentation 2nd week



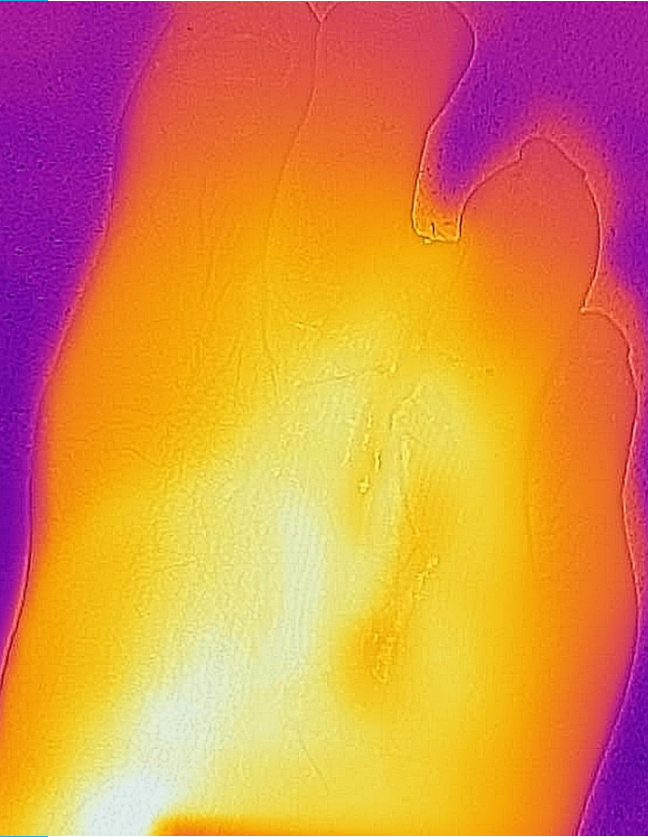
after week 2 debridement



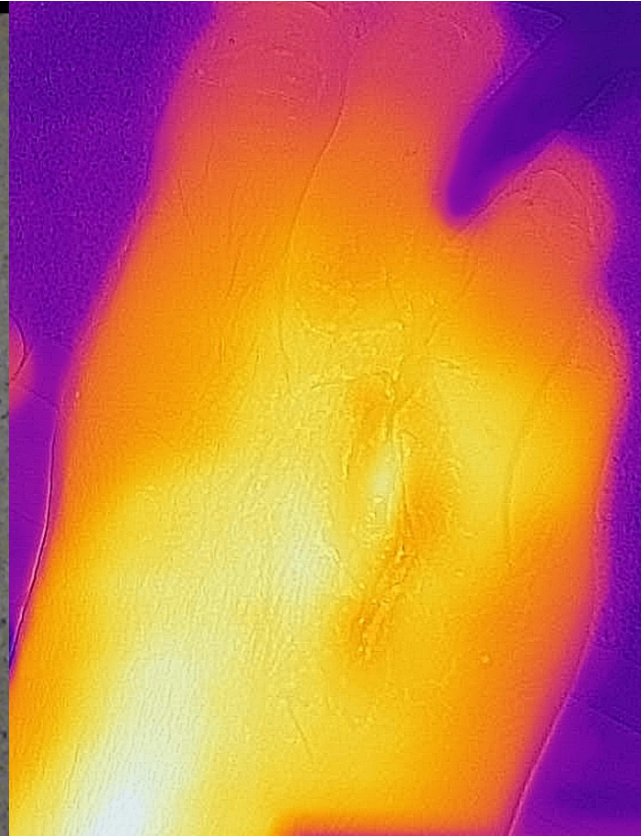
After 2nd Microsure
application

•Healed by 4th week

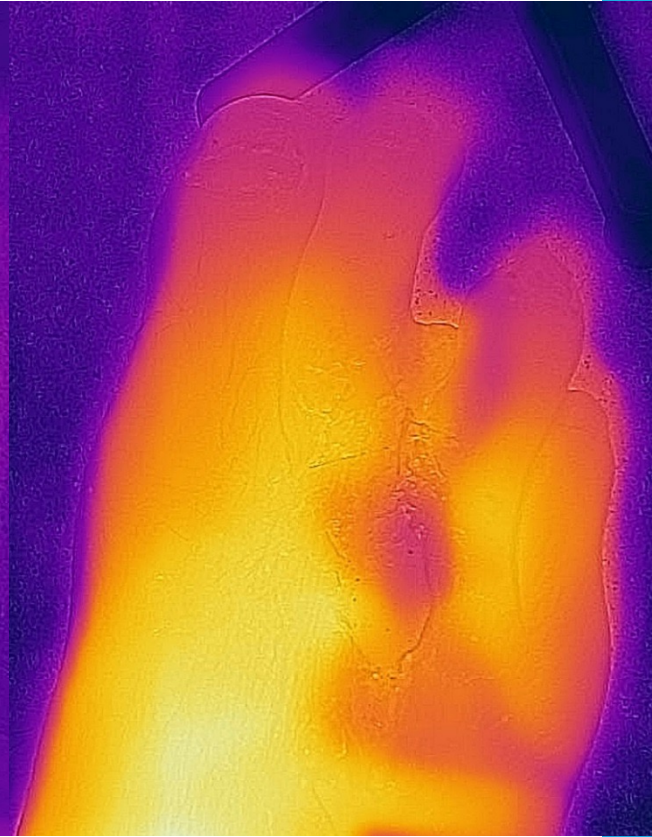
Patient #2- 52yo male, sx wound for 2 months, Hx DM



Prior to tx

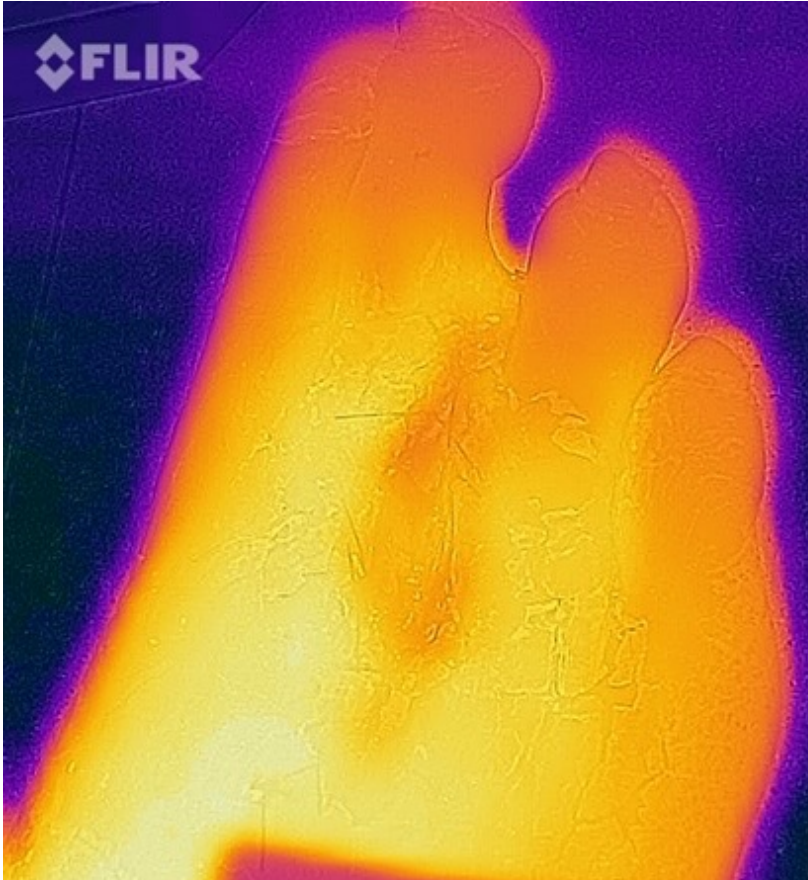


after 1st debridement

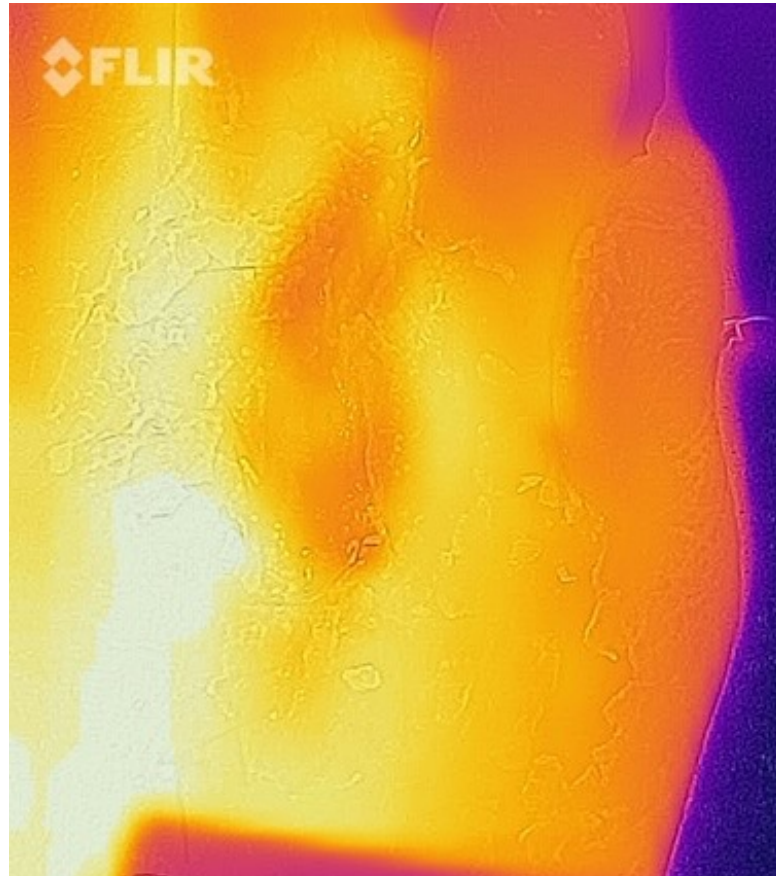


After Microsure
application

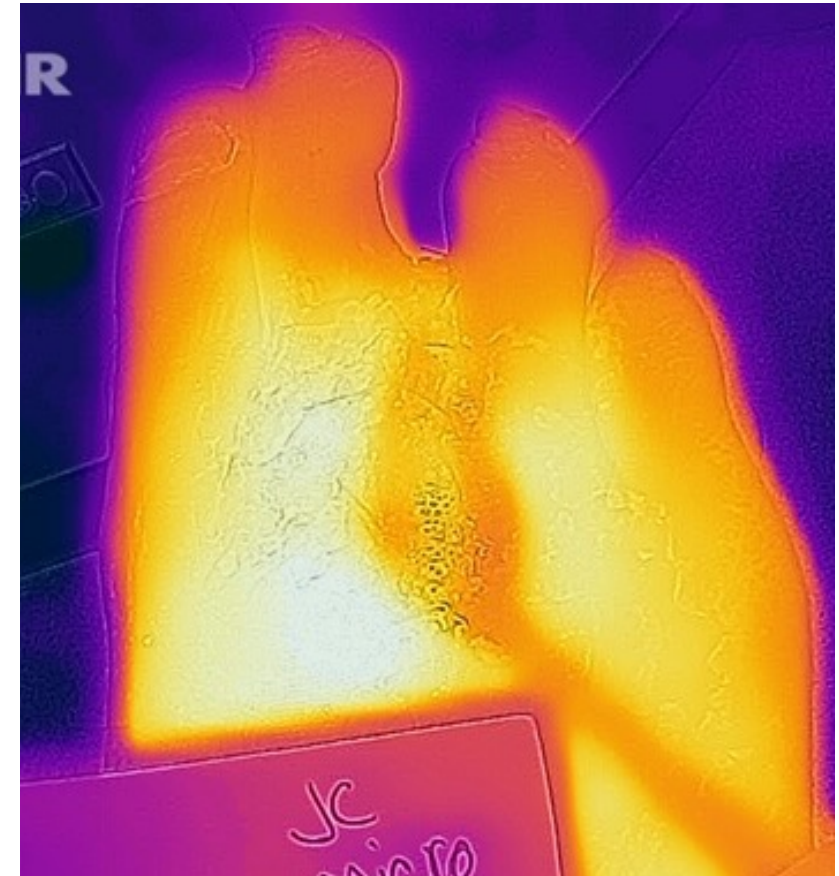
Patient #2- 52yo male, sx wound for 2 months, Hx DM



Clinical presentation wk 2

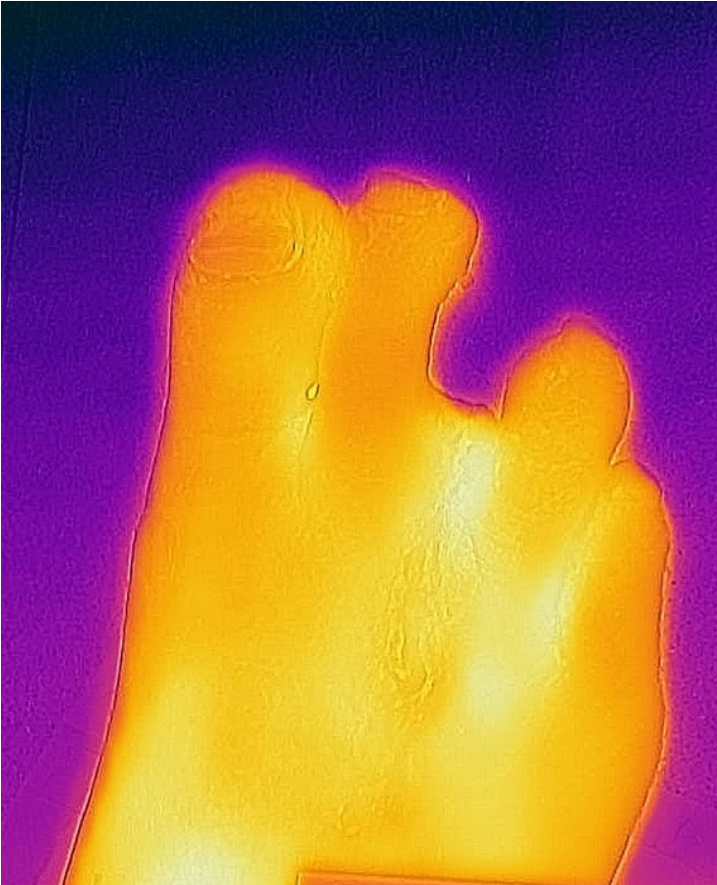


after week 2 debridement



After 2nd Microsure application

Patient #2- 52yo male, sx wound for 2 months, Hx DM

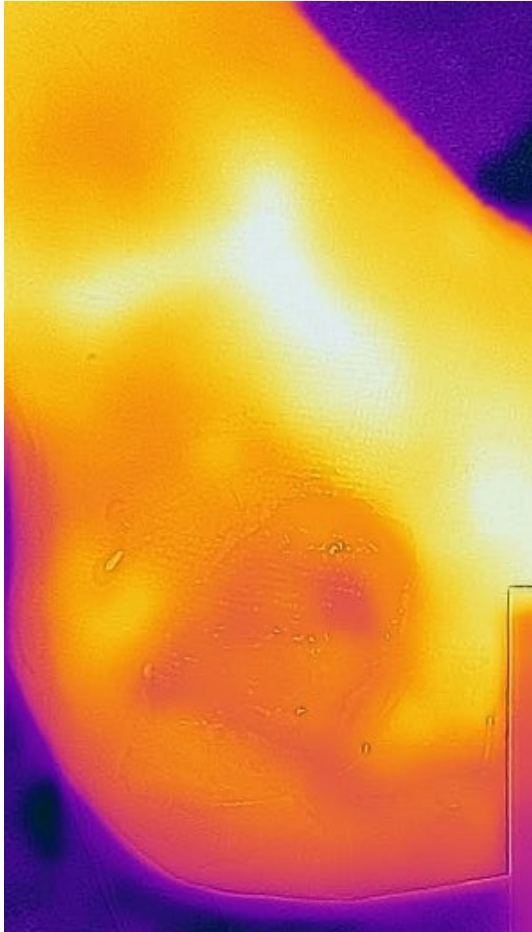


Clinical presentation wk 4

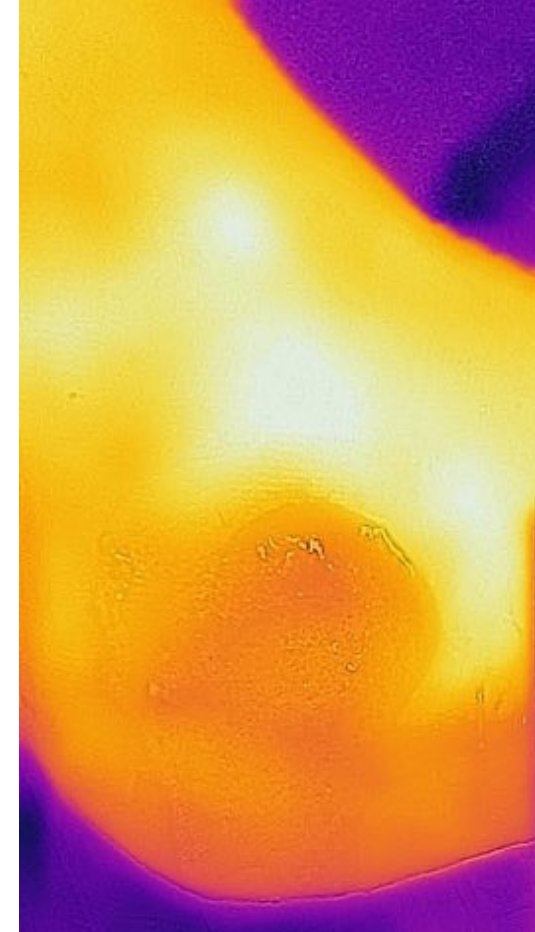


After 4th Microsure application

Pt # 3-32 year old male

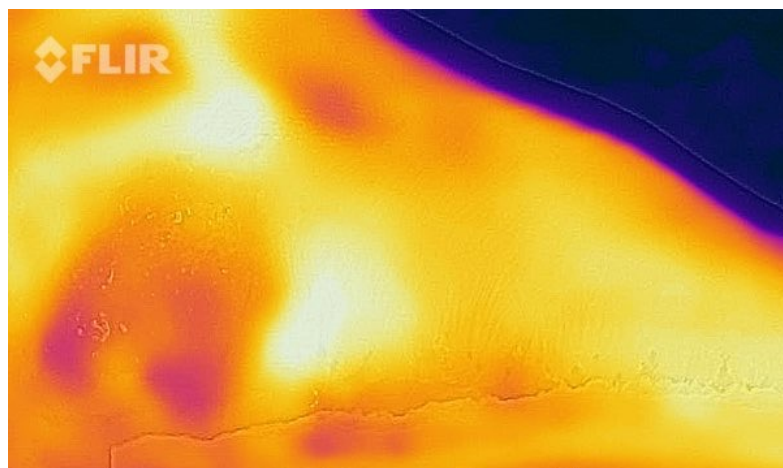


Clinical presentation

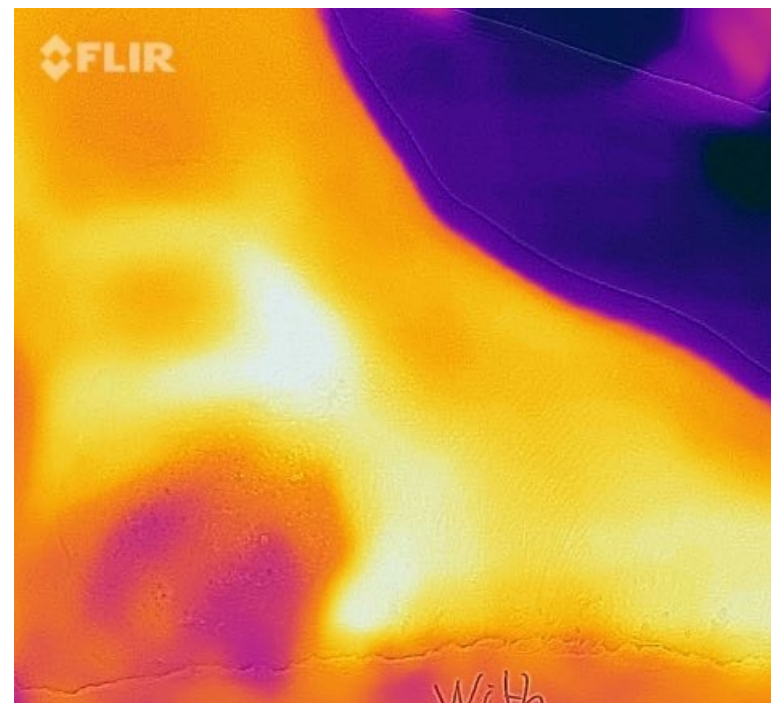


After 1st Microsure application

Pt #3-32 year old male



Clinical presentation week 3



After 3rd week Microsure application

Pt #4- 55yo male, R heel 5.3 x 4cm

